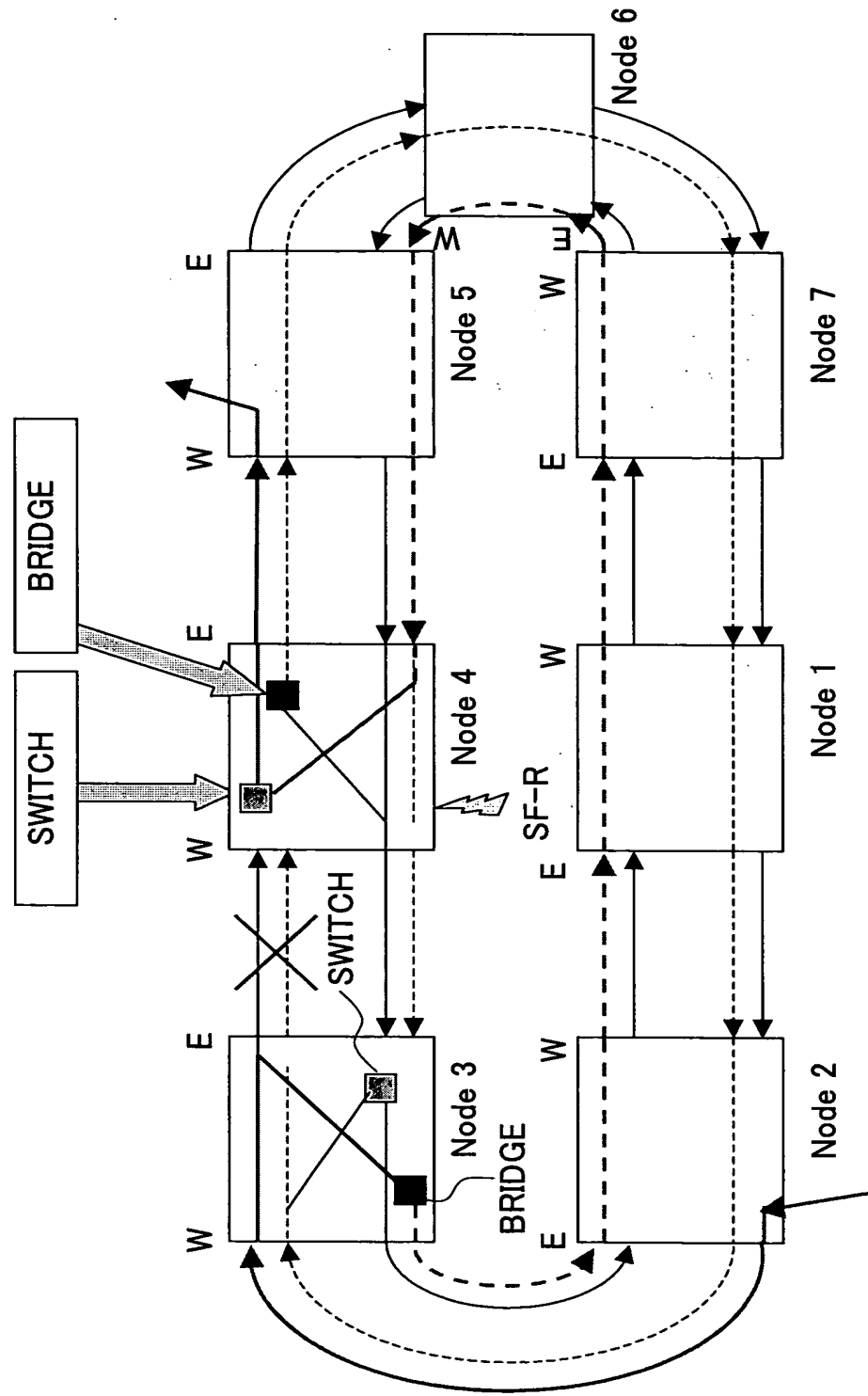
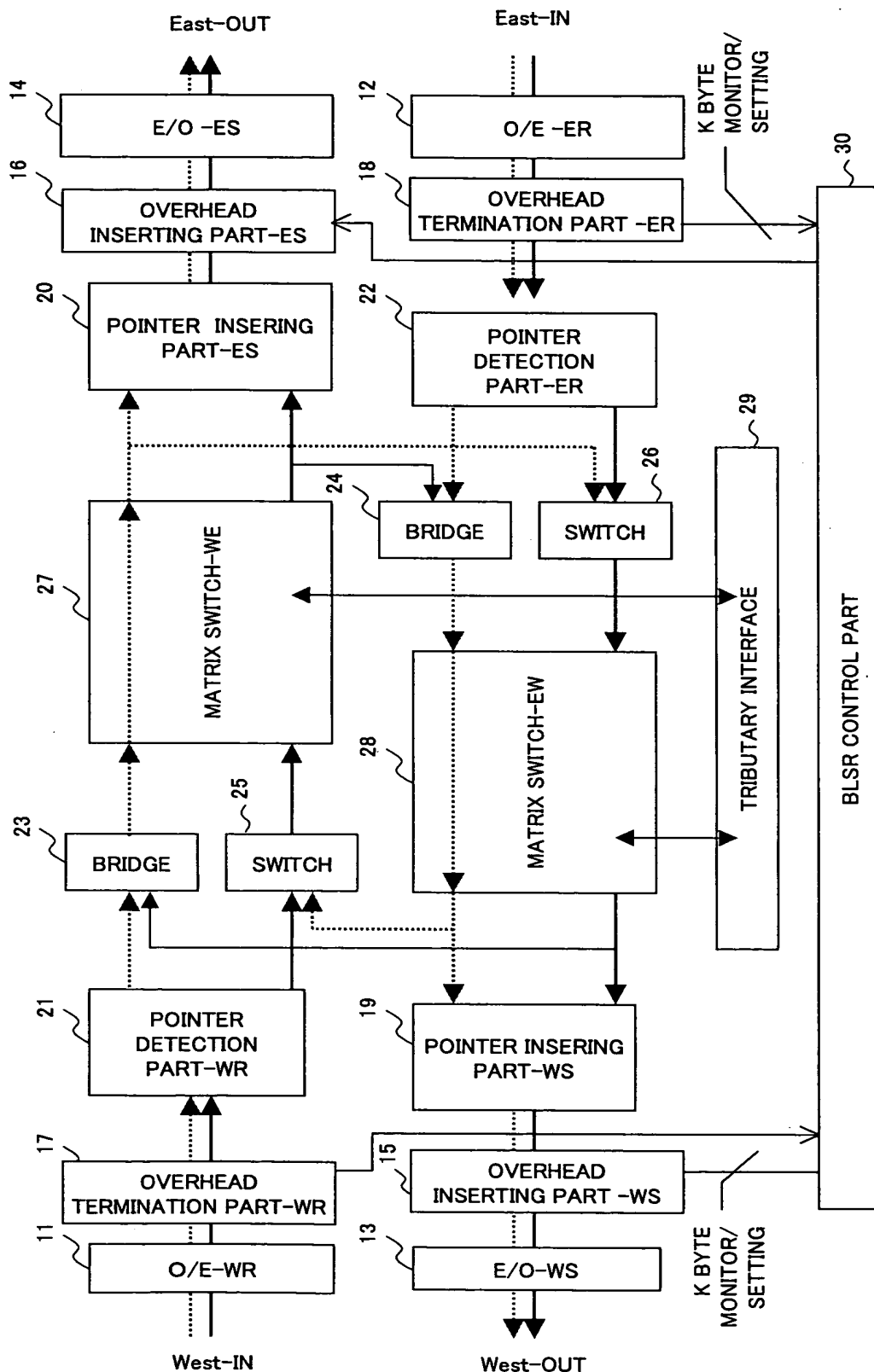


FIG.1 PRIOR ART

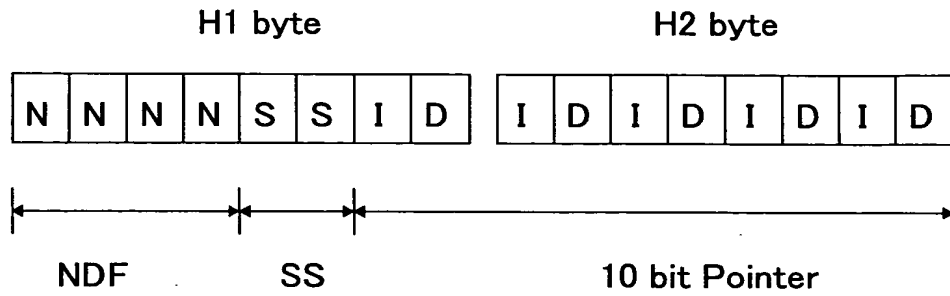


# FIG.2 PRIOR ART

10: TRANSMISSION  
APPARATUS



# FIG.3 PRIOR ART



I : Increment Indication  
D : Decrement Indication  
N : New Data Flag  
S : SS bits

# FIG.4 PRIOR ART

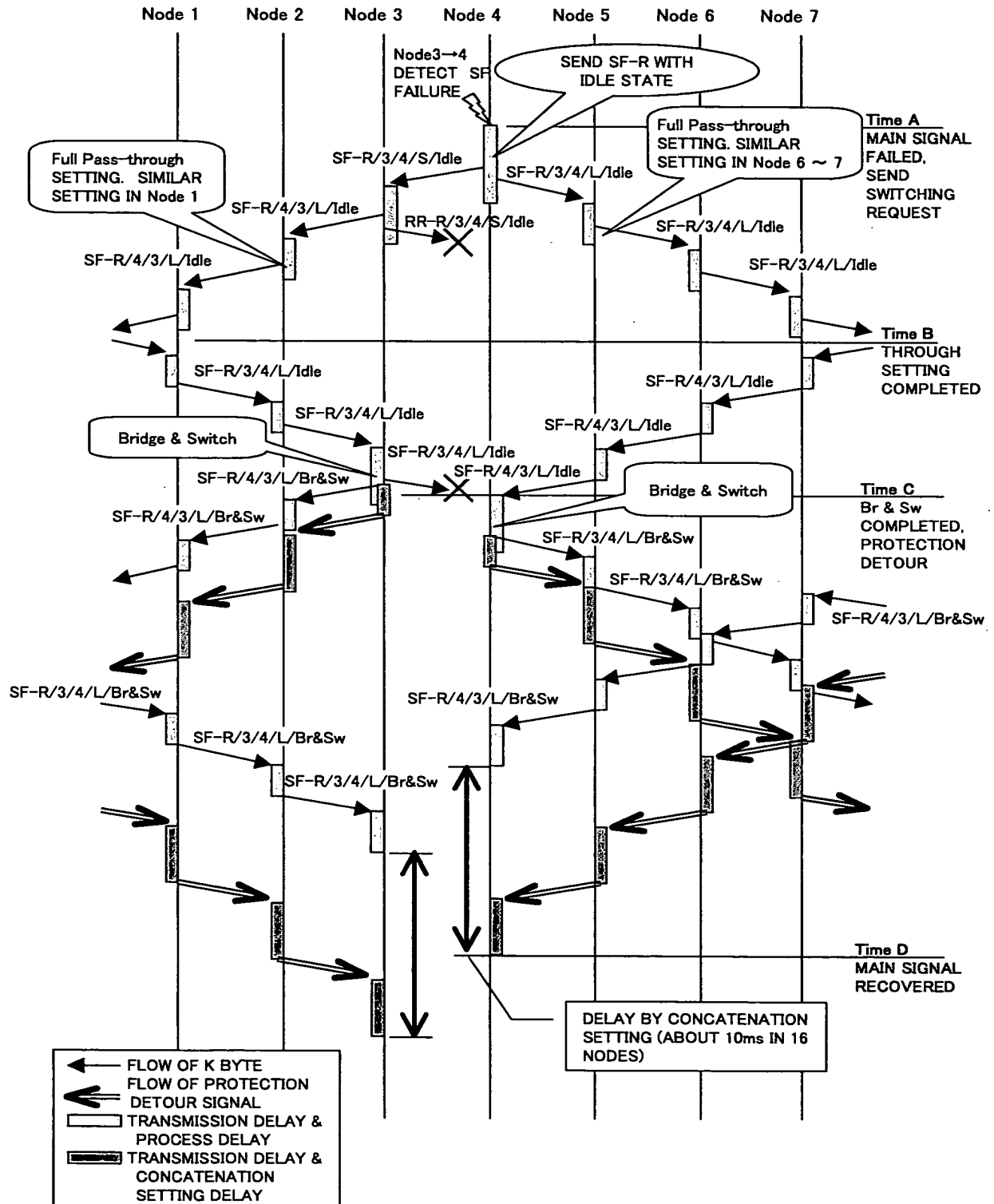


FIG.5A PRIOR ART

K1 Byte								K1 Byte							
Ring Bridge Request				Destination Node ID				Source Node ID				L/S		Status	
1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8

FIG.5B PRIOR ART

LONG PATH

SF-R	3	4	L	IDLE
------	---	---	---	------

SHORT PATH

SF-R	3	4	S	IDLE
------	---	---	---	------

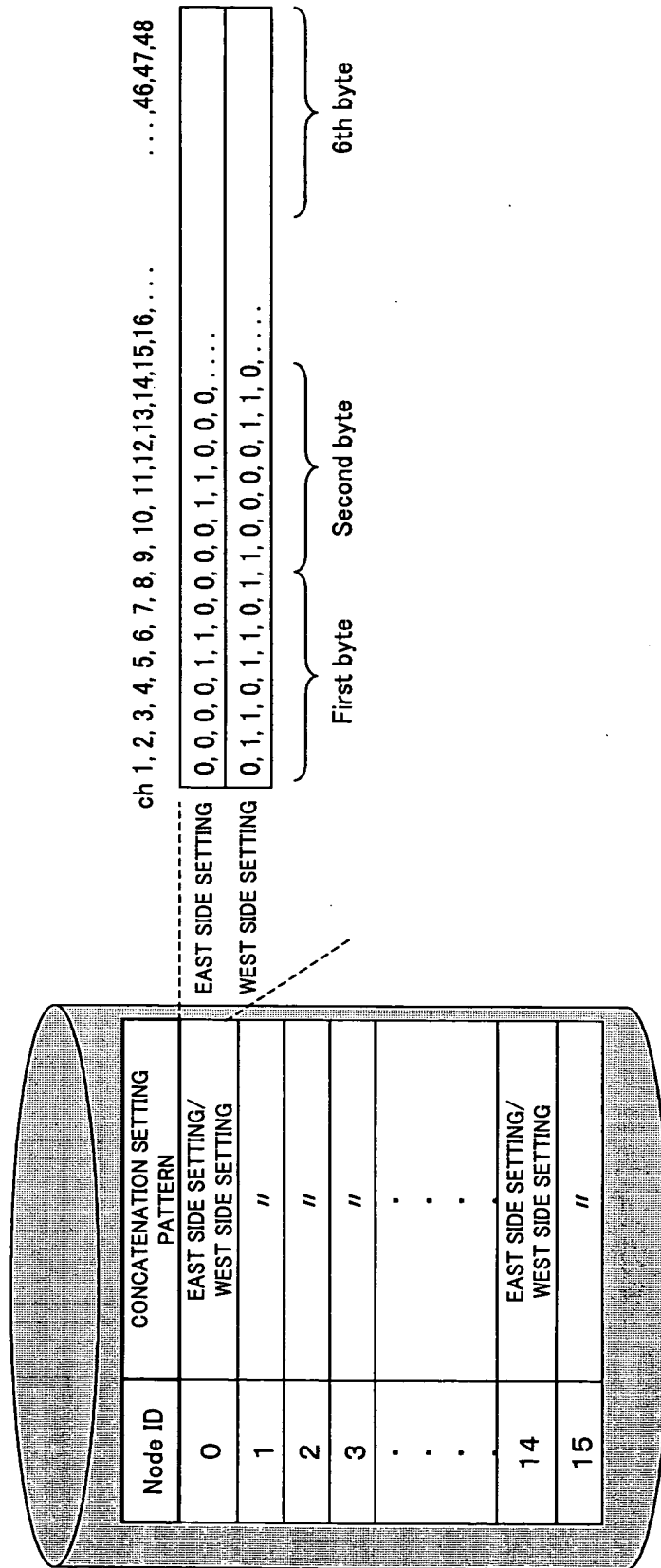
FIG. 1

40: TRANSMISSION APPARATUS

The diagram illustrates a transmission apparatus (40) with a West side and an East side. The West side includes an O/E-WR (11) connected to a West-IN line, followed by an OVERHEAD TERMINATION PART-WR (17), a BRIDGE (23), a SWITCH (25), a MATRIX SWITCH - WE (27), a POINTER TERMINATION PART-WR (41), and an E/O-WS (13) connected to a West-OUT line. The East side includes an O/E-ER (12) connected to an East-IN line, followed by an OVERHEAD TERMINATION PART-ER (18), a BRIDGE (24), a SWITCH (26), a MATRIX SWITCH - EW (28), a POINTER INSERTING PART-ER (42), and an OVERHEAD INSERTING PART-ES (16) connected to an East-OUT line. A central TRIBUTARY INTERFACE (29) is connected to the MATRIX SWITCHES (27, 28). A CONCATENATION SETTING PATTERN (20) is connected to the POINTER INSERTING PART-ES (16) and the MATRIX SWITCH - WE (27). A CONCATENATION SETTING PATTERN (43) is connected to the POINTER TERMINATION PART-ER (42) and the MATRIX SWITCH - EW (28). A CONCATENATION INFORMATION CONTROL PART (44) is connected to the TRIBUTARY INTERFACE (29) and the CONCATENATION SETTING PATTERN (43). A CONCATENATION SETTING INFORMATION TABLE (45) is connected to the CONCATENATION INFORMATION CONTROL PART (44). A BLSR CONTROL PART (46) is connected to the CONCATENATION SETTING INFORMATION TABLE (45) and the TRIBUTARY INTERFACE (29). A WEST SIDE Kbyte MONITOR/SETTING (47) is connected to the BLSR CONTROL PART (46) and the CONCATENATION SETTING INFORMATION TABLE (45). An EAST SIDE Kbyte MONITOR/SETTING (48) is connected to the BLSR CONTROL PART (46) and the CONCATENATION SETTING INFORMATION TABLE (45).

#### 40: TRANSMISSION APPARATUS

FIG.7



# FIG.8

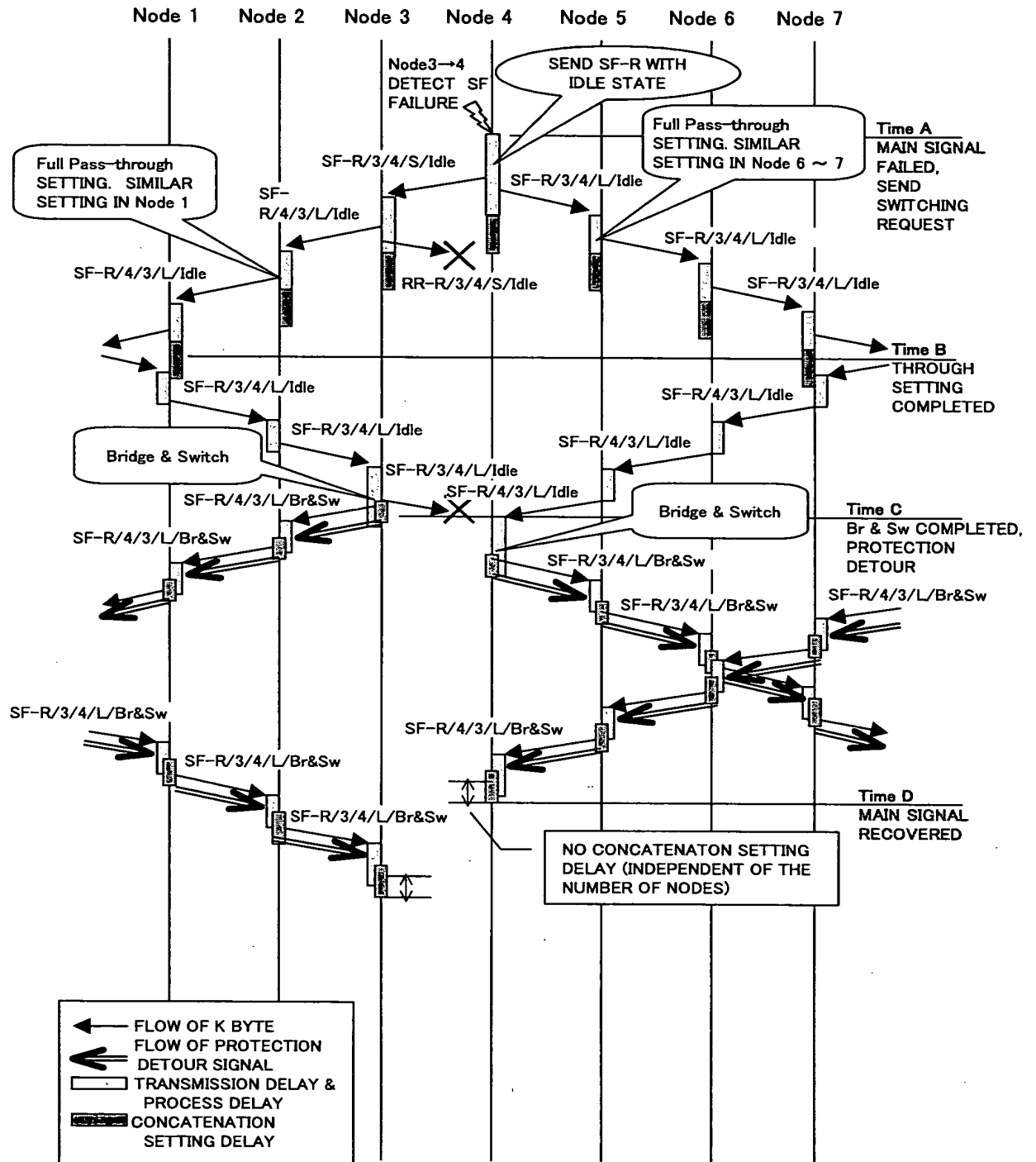
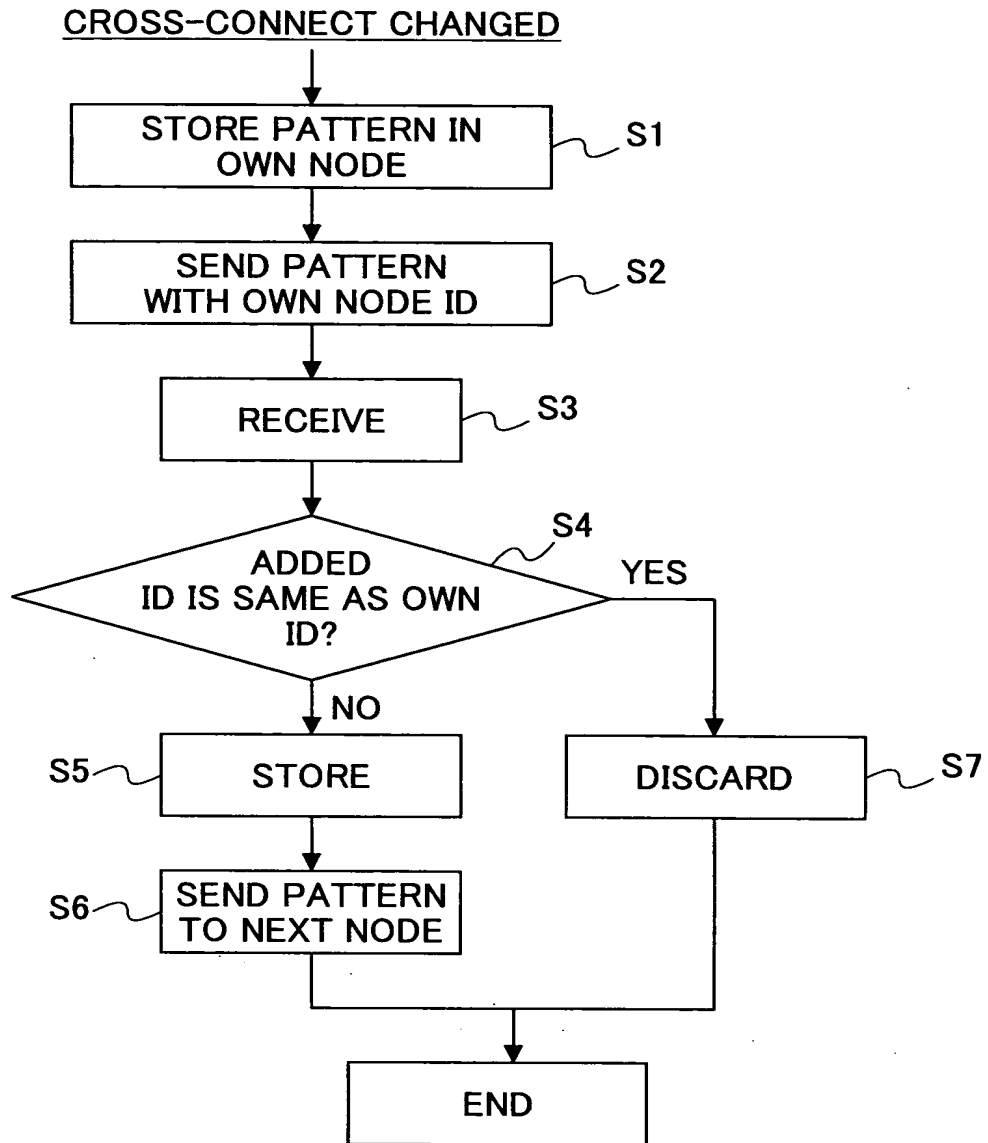




FIG.9



# FIG.10

AU4 in STM1

RSOH	A1	A1	A1	A2	A2	A2	J0	Z0	Z0
	B1			E1			F1		
	D1			D2			D3		
AU Pointer	H1	H1*	H1*	H2	H2*	H2*	H3	H3	H3
	B2	B2	B2	K1			K2		
MSOH	D4			D5			D6		
	D7			D8			D9		
	D1 0			D1 1			D1 2		
	S1	Z1	Z1	Z2	Z2	M1	E2		



Undefined Overhead Byte

\* Concatenation Indication

H1\*=1001XX11

H2\*=11111111

FIG.11

